



GENERAL POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTORS UNDER 37 C.F.R. 3.71

The undersigned Assignee hereby designates the following as its correspondence address and telephone number:

Jones Day
North Point
901 Lakeside Avenue
Cleveland, Ohio 44114
(216) 586-3939

and appoints as its attorneys with full power of substitution and revocation, to prosecute all patent applications for which the undersigned Assignee is or will become the assignee of record of the entire right, title and interest, and to transact all business in the Patent and Trademark Office connected therewith, any person who is or subsequently becomes registered under **Jones Day Customer Number 24325**.

In accordance with 37 C.F.R. 3.71, this appointment is to the exclusion of the inventors and their attorneys. The undersigned Assignee further authorizes Jones Day to fill in any necessary identifying information on this document.

An assignment of the entire interest in application no. 10/750699.

☒ was recorded on April 21, 2004 at Reel/Frame 014532/0723.

☐ is submitted herewith for recording.

Please direct all correspondence for this application to customer no. 24325.

ASSIGNEE: Advanced Fibre Access Corporation

Signature:

Typed Name:

AMY M. PAUL

Position/Title:

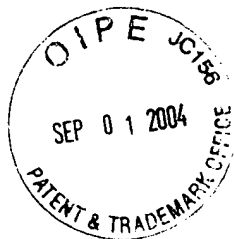
Assistant Secretary

Address:

1465 North McDowell Blvd.
Petaluma, California 94954

Date:

July 28, 2004.



PATENT
Attorney Docket No. 766726610065(004)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Jette et al.

Serial No.: 10/750699

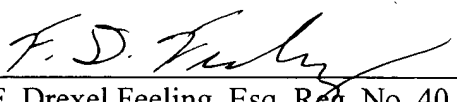
Filed: January 2, 2004

Title: Fiber to the Home Broadband Home Unit

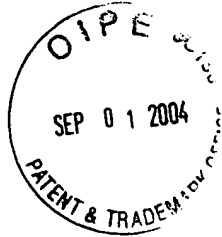
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

37 CFR 3.73(b) Statement

Attached is a copy of the Assignment of the subject application showing the chain of title from the inventor(s) to the assignee.


F. Drexel Feeling, Esq. Reg. No. 40,602
Attorney/Agent for Assignee

August 30, 2004



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



700079751A

APRIL 28, 2004

PTAS

JONES DAY
DAVID B. COCHRAN, ESQ.
NORTH POINT
901 LAKESIDE AVENUE
CLEVELAND, OHIO 44114

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/21/2004

REEL/FRAME: 014532/0723
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MARCONI INTELLECTUAL PROPERTY
(RINGFENCE), INC.

DOC DATE: 02/20/2004

ASSIGNEE:

ADVANCED FIBRE ACCESS CORPORATION
1465 NORTH MCDOWELL BOULEVARD
PETALUMA, CALIFORNIA 94954

SERIAL NUMBER: 09723804
PATENT NUMBER:

FILING DATE: 11/28/2000 766726.60059
ISSUE DATE:

SERIAL NUMBER: 09723885
PATENT NUMBER: 6731873

FILING DATE: 11/28/2000 766726.610056
ISSUE DATE: 05/04/2004

SERIAL NUMBER: 09540955
PATENT NUMBER:

FILING DATE: 03/31/2000 766726.610049
ISSUE DATE:

014532/0723 PAGE 2

SERIAL NUMBER: 09684757	FILING DATE: 10/06/2000	
PATENT NUMBER:	ISSUE DATE:	766726-610050
SERIAL NUMBER: 10199549	FILING DATE: 07/19/2002	
PATENT NUMBER:	ISSUE DATE:	766726-610061
SERIAL NUMBER: 10200534	FILING DATE: 07/22/2002	
PATENT NUMBER:	ISSUE DATE:	766726-610062
SERIAL NUMBER: 09539395	FILING DATE: 03/31/2000	
PATENT NUMBER: 6707833	ISSUE DATE: 03/16/2004	766726-610046
SERIAL NUMBER: 09150817	FILING DATE: 09/11/1998	
PATENT NUMBER:	ISSUE DATE:	766726-610004
SERIAL NUMBER: 10200924	FILING DATE: 07/23/2002	
PATENT NUMBER:	ISSUE DATE:	766726-610060
SERIAL NUMBER: 10176542	FILING DATE: 06/21/2002	
PATENT NUMBER:	ISSUE DATE:	766726-610030
SERIAL NUMBER: 10750699	FILING DATE: 01/02/2004	
PATENT NUMBER:	ISSUE DATE:	766726-610065
SERIAL NUMBER: 10195087	FILING DATE: 07/12/2002	
PATENT NUMBER: 6668138	ISSUE DATE: 12/23/2003	766726-610037
SERIAL NUMBER: 10420024	FILING DATE: 04/21/2003	
PATENT NUMBER:	ISSUE DATE:	766726-610066
SERIAL NUMBER: 09703069	FILING DATE: 10/31/2000	
PATENT NUMBER:	ISSUE DATE:	766726-610052
SERIAL NUMBER: 10283527	FILING DATE: 10/30/2002	
PATENT NUMBER:	ISSUE DATE:	766726-610064(003)
SERIAL NUMBER: 09879395	FILING DATE: 06/12/2001	
PATENT NUMBER:	ISSUE DATE:	766726-610010
SERIAL NUMBER: 09932867	FILING DATE: 08/17/2001	
PATENT NUMBER:	ISSUE DATE:	766726-610011
SERIAL NUMBER: 09633320	FILING DATE: 08/07/2000	
PATENT NUMBER:	ISSUE DATE:	766726-610009
SERIAL NUMBER: 09662475	FILING DATE: 09/15/2000	
PATENT NUMBER:	ISSUE DATE:	766726-610051
SERIAL NUMBER: 10199566	FILING DATE: 07/19/2002	
PATENT NUMBER:	ISSUE DATE:	766726-610063(002)
SERIAL NUMBER: 09684756	FILING DATE: 10/06/2000	
PATENT NUMBER:	ISSUE DATE:	766726-610053

014532/0723 PAGE 3

SERIAL NUMBER: 09684755 PATENT NUMBER:	FILING DATE: 10/06/2000 ISSUE DATE:	766726-610054
SERIAL NUMBER: 09992649 PATENT NUMBER:	FILING DATE: 11/13/2001 ISSUE DATE:	766726-610013
SERIAL NUMBER: 09537022 PATENT NUMBER:	FILING DATE: 03/28/2000 ISSUE DATE:	766726-610047(002)
SERIAL NUMBER: 09794869 PATENT NUMBER:	FILING DATE: 02/27/2001 ISSUE DATE:	766726-610048
SERIAL NUMBER: 09876439 PATENT NUMBER:	FILING DATE: 06/06/2001 ISSUE DATE:	766726-610058
SERIAL NUMBER: 09476079 PATENT NUMBER: 6418195	FILING DATE: 12/30/1999 ISSUE DATE: 07/09/2002	766726-610041
SERIAL NUMBER: 09532996 PATENT NUMBER: 6366717	FILING DATE: 03/22/2000 ISSUE DATE: 04/02/2002	766726-610042
SERIAL NUMBER: 09520082 PATENT NUMBER: 6466728	FILING DATE: 03/08/2000 ISSUE DATE: 10/15/2002	766726-610045
SERIAL NUMBER: 08328904 PATENT NUMBER: 5505636	FILING DATE: 10/25/1994 ISSUE DATE: 04/09/1996	766726-610026
SERIAL NUMBER: 07461814 PATENT NUMBER: 5155746	FILING DATE: 01/08/1990 ISSUE DATE: 10/13/1992	766726-610023
SERIAL NUMBER: 07264356 PATENT NUMBER: 4958926	FILING DATE: 10/31/1988 ISSUE DATE: 09/25/1990	766726-610017
SERIAL NUMBER: 07624860 PATENT NUMBER: 5260996	FILING DATE: 12/10/1990 ISSUE DATE: 11/09/1993	766726-610024
SERIAL NUMBER: 09410975 PATENT NUMBER: 6310784	FILING DATE: 10/04/1999 ISSUE DATE: 10/30/2001	766726-610035
SERIAL NUMBER: 09947154 PATENT NUMBER: 6542382	FILING DATE: 09/05/2001 ISSUE DATE: 04/01/2003	766726-610036
SERIAL NUMBER: 07547430 PATENT NUMBER: 5046067	FILING DATE: 07/02/1990 ISSUE DATE: 09/03/1991	766726-610019
SERIAL NUMBER: 09325619 PATENT NUMBER: 6466572	FILING DATE: 06/03/1999 ISSUE DATE: 10/15/2002	766726-610029
SERIAL NUMBER: 07411727 PATENT NUMBER: 5022752	FILING DATE: 09/25/1989 ISSUE DATE: 06/11/1991	766726-610018
SERIAL NUMBER: 07621536 PATENT NUMBER: 5146476	FILING DATE: 12/03/1990 ISSUE DATE: 09/08/1992	766726-610022

014532/0723 PAGE 4

SERIAL NUMBER: 07111215 PATENT NUMBER: 4767980	FILING DATE: 10/22/1987 ISSUE DATE: 08/30/1988	766726-60014
SERIAL NUMBER: 09536047 PATENT NUMBER: 6609842	FILING DATE: 03/27/2000 ISSUE DATE: 08/26/2003	766726-610044
SERIAL NUMBER: 07504049 PATENT NUMBER: 5050210	FILING DATE: 04/03/1990 ISSUE DATE: 09/17/1991	766726-610020
SERIAL NUMBER: 07250974 PATENT NUMBER: 4876630	FILING DATE: 09/23/1988 ISSUE DATE: 10/24/1989	766726-610015
SERIAL NUMBER: 09309717 PATENT NUMBER: 6460182	FILING DATE: 05/11/1999 ISSUE DATE: 10/01/2002	766726-610008
SERIAL NUMBER: 09415362 PATENT NUMBER: 6396673	FILING DATE: 10/08/1999 ISSUE DATE: 05/28/2002	766726-610040
SERIAL NUMBER: 08298146 PATENT NUMBER: 5515433	FILING DATE: 08/30/1994 ISSUE DATE: 05/07/1996	766726-610025
SERIAL NUMBER: 07541577 PATENT NUMBER: 5067810	FILING DATE: 06/21/1990 ISSUE DATE: 11/26/1991	766726-610021
SERIAL NUMBER: 07265718 PATENT NUMBER: 4903292	FILING DATE: 11/01/1988 ISSUE DATE: 02/20/1990	766726-610016
SERIAL NUMBER: 09375312 PATENT NUMBER: 6366464	FILING DATE: 08/16/1999 ISSUE DATE: 04/02/2002	766726-610003
SERIAL NUMBER: 09164495 PATENT NUMBER: 6608900	FILING DATE: 10/01/1998 ISSUE DATE: 08/19/2003	766726-610002
SERIAL NUMBER: 09703115 PATENT NUMBER: 6625849	FILING DATE: 10/31/2000 ISSUE DATE: 09/30/2003	766726-610057
SERIAL NUMBER: 09249733 PATENT NUMBER: 6535308	FILING DATE: 02/12/1999 ISSUE DATE: 03/18/2003	766726-610006
SERIAL NUMBER: 09703114 PATENT NUMBER: 6442035	FILING DATE: 10/31/2000 ISSUE DATE: 08/27/2002	766726-610055
SERIAL NUMBER: 09305637 PATENT NUMBER: 6151226	FILING DATE: 05/05/1999 ISSUE DATE: 11/21/2000	766726-610028
SERIAL NUMBER: 09130734 PATENT NUMBER: 6288883	FILING DATE: 08/07/1998 ISSUE DATE: 09/11/2001	766726-610027
SERIAL NUMBER: 09286055 PATENT NUMBER: 6169389	FILING DATE: 04/05/1999 ISSUE DATE: 01/02/2001	766726-610005
SERIAL NUMBER: 09388630	FILING DATE: 09/02/1999	766726-610038

014532/0723 PAGE 5

SERIAL NUMBER: 09474640
PATENT NUMBER: 6256205

FILING DATE: 12/29/1999
ISSUE DATE: 07/03/2001

766726.610039

SERIAL NUMBER: 09203409
PATENT NUMBER: 6362908

FILING DATE: 12/02/1998
ISSUE DATE: 03/26/2002

766726.610001

SERIAL NUMBER: 09540956
PATENT NUMBER: 6366712

FILING DATE: 03/31/2000
ISSUE DATE: 04/02/2002

766726.610043

SERIAL NUMBER: 09100392
PATENT NUMBER: 6353609

FILING DATE: 06/19/1998
ISSUE DATE: 03/05/2002

766726.610012

SERIAL NUMBER: 09300880
PATENT NUMBER: 6246510

FILING DATE: 04/28/1999
ISSUE DATE: 06/12/2001

766726.610032

SERIAL NUMBER: 09249055
PATENT NUMBER: 6496639

FILING DATE: 02/12/1999
ISSUE DATE: 12/17/2002

766726.610007

SERIAL NUMBER: 09305579
PATENT NUMBER: 6278829

FILING DATE: 05/05/1999
ISSUE DATE: 08/21/2001

766726.610033

SERIAL NUMBER: 09411024
PATENT NUMBER: 6195494

FILING DATE: 10/04/1999
ISSUE DATE: 02/27/2001

766726.610034

ALLYSON PURNELL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 25, 2004

PTAS



102599338A

KIRSCHSTEIN ET AL.
ALAN ISREAL, ESQ
489 FIFTH AVENUE
NEW YORK, NY 10017

JUN -1 2004

**UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/05/2003

REEL/FRAME: 014646/0607
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MAROONI COMMUNICATIONS, INC.

DOC DATE: 10/28/2003

ASSIGNEE:

MARCONI INTELLECTUAL PROPERTY
(RINGFENCE) INC.
3000 MARCONI DRIVE
WARRENDALE, PENNSYLVANIA 15086

SERIAL NUMBER: 09539395
PATENT NUMBER: 6707833
TITLE: DIGITAL LASER DRIVER CIRCUIT

FILING DATE: 03/31/2000
ISSUE DATE: 03/16/2004 766726-610046

SERIAL NUMBER: 09537022
PATENT NUMBER: 6707833
TITLE: FIBER TO THE HOME (FTTH) MULTIMEDIA ACCESS SYSTEM

FILING DATE: 03/28/2000 766726-610047
ISSUE DATE:

766726-610048
SERIAL NUMBER: 09794869 FILING DATE: 02/27/2001
PATENT NUMBER: 766726-610048 ISSUE DATE:
TITLE: FIBER TO THE HOME (FTTH) MULTIMEDIA ACCESS SYSTEM WITH REFLECTION PON

SERIAL NUMBER: 09540955 766726-610049 FILING DATE: 03/31/2000
PATENT NUMBER: 766726-610049 ISSUE DATE:
TITLE: BIDIRECTIONAL FREQUENCY SHIFT CODING USING TWO DIFFERENT CODES FOR UPSTREAM AND DOWNSTREAM

SERIAL NUMBER: 09684757 766726-610050 FILING DATE: 10/06/2000
PATENT NUMBER: 766726-610050 ISSUE DATE:
TITLE: COPPER BASED INTERFACE SYSTEM AND DATA FRAME FORMAT

SERIAL NUMBER: 09662475 766726-610051 FILING DATE: 09/15/2000
PATENT NUMBER: 766726-610051 ISSUE DATE:
TITLE: SCALABLE TIME SLOT INTERCHANGER

SERIAL NUMBER: 09703069 766726-610052 FILING DATE: 10/31/2000
PATENT NUMBER: 766726-610052 ISSUE DATE:
TITLE: METHOD AND SYSTEM FOR REMOTELY MAINTAINING AND PROVISIONING EQUIPMENT OVER A WIDE AREA NETWORK

SERIAL NUMBER: 09684756 766726-610053 FILING DATE: 10/06/2000
PATENT NUMBER: 766726-610053 ISSUE DATE:
TITLE: COPPER BASED INTERFACE SYSTEM AND REGULATED POWER SOURCE

SERIAL NUMBER: 09684755 766726-610054 FILING DATE: 10/06/2000
PATENT NUMBER: 766726-610054 ISSUE DATE:
TITLE: COPPER BASED INTERFACE SYSTEM INITIALIZATION AND MONITORING METHODS

SERIAL NUMBER: 09723885 766726-610056 FILING DATE: 11/28/2000
PATENT NUMBER: 6731873 766726-610056 ISSUE DATE: 05/04/2004
TITLE: BIDIRECTIONAL OPTICAL COMMUNICATIONS USING ON-OFF KEYING TO GENERATE A HYBRID FORM OF MANCHESTER SERIAL ENCODING FOR ONE OF EITHER UPSTREAM OR DOWNSTREAM TRANSMISSION

SERIAL NUMBER: 09723804 766726-610059 FILING DATE: 11/28/2000
PATENT NUMBER: 766726-610059 ISSUE DATE:
TITLE: BIDIRECTIONAL OPTICAL COMMUNICATIONS HAVING QUICK DATA RECOVERY WITHOUT FIRST ESTABLISHING TIMING AND PHASE LOCK

SERIAL NUMBER: 10200924 766726-610060 FILING DATE: 07/23/2002
PATENT NUMBER: 766726-610060 ISSUE DATE:
TITLE: DIGITAL RF RETURN OVER FIBER

SERIAL NUMBER: 10199549 766726-610061 FILING DATE: 07/19/2002
PATENT NUMBER: 766726-610061 ISSUE DATE:
TITLE: DEEP FIBER NETWORK ARCHITECTURE

SERIAL NUMBER: 10200534 766726-610062 FILING DATE: 07/22/2002
PATENT NUMBER: 766726-610062 ISSUE DATE:
TITLE: DEEP FIBER NETWORK WITH HIGH SPEED DATA AND VIDEO ON DEMAND

SERIAL NUMBER: 10199566 *766726-610063* FILING DATE: 07/19/2002
PATENT NUMBER: *P/63756 US 2* ISSUE DATE:
TITLE: SINGLE FIBER PASSIVE OPTICAL NETWORK WAVELENGTH DIVISION MULTIPLEX
OVERLAY

SERIAL NUMBER: 10283527 *766726-610064* FILING DATE: 10/30/2002
PATENT NUMBER: *P/63756 US 2* ISSUE DATE:
TITLE: OPTICAL NETWORK UNIT WITH EMI SUPPRESSION

SERIAL NUMBER: 60437789 *766726-610065 (003)* FILING DATE: 01/03/2003
PATENT NUMBER: *P/63760 US 2* ISSUE DATE:
TITLE: FULL SERVICE ACCESS NETWORK (FSAN) FIBER TO THE HOME SYSTEM
ARCHITECTURE

SERIAL NUMBER: 10420024 *766726-610066* FILING DATE: 04/21/2003
PATENT NUMBER: *P/63761 US 2* ISSUE DATE:
TITLE: MEDIA ACCESS CONTROL ADDRESS TRANSLATION FOR A FIBER TO THE HOME
SYSTEM

SERIAL NUMBER: 09203409 *766726-610001* FILING DATE: 12/02/1998
PATENT NUMBER: 6362908 *P/61837 US 4* ISSUE DATE: 03/26/2002
TITLE: MULTI-SERVICE ADAPTABLE OPTICAL NETWORK UNIT

SERIAL NUMBER: 09164495 *766726-610002* FILING DATE: 10/01/1998
PATENT NUMBER: 6608900 *P/61839 US 4* ISSUE DATE: 08/19/2003
TITLE: LOAD MANAGEMENT SYSTEM FOR AN ELECTRICAL DEVICE

SERIAL NUMBER: 09375312 *766726-610003* FILING DATE: 08/16/1999
PATENT NUMBER: 6366464 *P/61840 US 4* ISSUE DATE: 04/02/2002
TITLE: CARD CAGE FOR CIRCUIT CARDS IN AN OPTICAL NETWORK UNIT

SERIAL NUMBER: 09237984 *560043-620654* FILING DATE: 01/25/1999
PATENT NUMBER: 6108183 *P/61841 US 4* ISSUE DATE: 08/22/2000
TITLE: CURRENT LIMITER

SERIAL NUMBER: 09286055 *766726-610005* FILING DATE: 04/05/1999
PATENT NUMBER: 6169389 *P/61843 US 4* ISSUE DATE: 01/02/2001
TITLE: PUMPED CAPACITIVE STORAGE SYSTEM

SERIAL NUMBER: 09249733 *766726-610006* FILING DATE: 02/12/1999
PATENT NUMBER: 6535308 *P/61844 US 4* ISSUE DATE: 03/18/2003
TITLE: METHOD AND APPARATUS FOR CONVERTING ELECTRICAL SIGNALS AND OPTICAL
SIGNALS FOR BIDIRECTIONAL COMMUNICATION OVER A SINGLE OPTICAL FIBER

SERIAL NUMBER: 09249055 *766726-610007* FILING DATE: 02/12/1999
PATENT NUMBER: 6496639 *P/61845 US 4* ISSUE DATE: 12/17/2002
TITLE: METHOD AND APPARATUS FOR UPGRADING AN OPTICAL FIBER COMMUNICATION
SYSTEM

SERIAL NUMBER: 09831317 *766726-610008* FILING DATE: 05/07/2001
PATENT NUMBER: 6406018 ISSUE DATE: 06/18/2002
TITLE: GAME APPARATUS

6450102

P/61845 US 4

014646/0607 PAGE 4

SERIAL NUMBER: 09100392 *766726-610012* FILING DATE: 06/19/1998
PATENT NUMBER: 6353609 *P/61851 USH* ISSUE DATE: 03/05/2002
TITLE: DIGITAL PACKET NETWORK FOR THE LOCAL ACCESS LOOP

SERIAL NUMBER: 07111215 *766726-610014* FILING DATE: 10/22/1987
PATENT NUMBER: 4767980 *P/61851 USH* ISSUE DATE: 08/30/1988
TITLE: INDUCTANCE MULTIPLIER CIRCUIT

SERIAL NUMBER: 07250974 *766726-610015* FILING DATE: 09/23/1988
PATENT NUMBER: 4876630 *P/61852 USC* ISSUE DATE: 10/24/1989
TITLE: MID-PLANE BOARD AND ASSEMBLY THEREFOR

SERIAL NUMBER: 07265718 *766726-610016* FILING DATE: 11/01/1988
PATENT NUMBER: 4903292 *P/61853 USH* ISSUE DATE: 02/20/1990
TITLE: SYSTEM FOR TRANSMITTING LOW FREQUENCY TONES THROUGH A DIGITAL LOOP CARRIER SYSTEM

SERIAL NUMBER: 07264356 *766726-610017* FILING DATE: 10/31/1988
PATENT NUMBER: 4958926 *P/61855 USH* ISSUE DATE: 09/25/1990
TITLE: CLOSED LOOP CONTROL SYSTEM FOR LASER

SERIAL NUMBER: 07411727 *766726-610018* FILING DATE: 09/25/1989
PATENT NUMBER: 5022752 *P/61855 USH* ISSUE DATE: 06/11/1991
TITLE: ECHO CANCELLING CIRCUIT FOR USE WITH LASER

SERIAL NUMBER: 07547430 *766726-610019* FILING DATE: 07/02/1990
PATENT NUMBER: 5046067 *P/61857 USC* ISSUE DATE: 09/03/1991
TITLE: DIGITAL TRANSMISSION SYSTEM

SERIAL NUMBER: 07504049 *766726-610020* FILING DATE: 04/03/1990
PATENT NUMBER: 5050210 *P/61859 USC* ISSUE DATE: 09/17/1991
TITLE: METALLIC CURRENT LIMITER

SERIAL NUMBER: 07655026 *766726-610021* FILING DATE: 02/14/1991
PATENT NUMBER: 5057810 *P/61860 USC* ISSUE DATE: 10/15/1991
TITLE: ARRESTER ISOLATOR-DISCONNECTOR

SERIAL NUMBER: 07461814 *766726-610023* FILING DATE: 01/08/1990
PATENT NUMBER: 5155746 *P/61863 USH* ISSUE DATE: 10/13/1992
TITLE: CLOCK SYNCHRONIZATION SCHEME FOR DIGITAL TRANSMISSION

SERIAL NUMBER: 07624860 *766726-610024* FILING DATE: 12/10/1990
PATENT NUMBER: 5260996 *P/61864 USC* ISSUE DATE: 11/09/1993
TITLE: CURRENT LIMITED ELECTRONIC RINGING GENERATOR

SERIAL NUMBER: 09130734 *766726-610027* FILING DATE: 08/07/1998
PATENT NUMBER: 6288883 *P/61867 USH* ISSUE DATE: 09/11/2001
TITLE: POWER INPUT PROTECTION CIRCUIT

SERIAL NUMBER: 09305637 *766726-610028* FILING DATE: 05/05/1999
PATENT NUMBER: 6151226 *P/61868 USC* ISSUE DATE: 11/21/2000
TITLE: FOUR QUADRANT POWER CONVERSION TOPOLOGY

014646/0607 PAGE 5

SERIAL NUMBER: 09325619 *766726-610029* FILING DATE: 06/03/1999
PATENT NUMBER: 6466572 *P/61877 USA* ISSUE DATE: 10/15/2002
TITLE: DISTRIBUTED ETHERNET HUB

SERIAL NUMBER: 09277705 *560043-620673* FILING DATE: 03/26/1999
PATENT NUMBER: 6322400 *P/61877 USA* ISSUE DATE: 11/27/2001
TITLE: BATTERY TERMINATION PANEL

SERIAL NUMBER: 09300880 *766726-610032* FILING DATE: 04/28/1999
PATENT NUMBER: 6246510 *P/61877 USA* ISSUE DATE: 06/12/2001
TITLE: LIGHT AMPLIFICATION APPARATUS WITH AUTOMATIC MONITORING AND CONTROLS

SERIAL NUMBER: 09305579 *766726-610033* FILING DATE: 05/05/1999
PATENT NUMBER: 6278829 *P/61877 USA* ISSUE DATE: 08/21/2001
TITLE: OPTICAL FIBER ROUTING AND SUPPORT APPARATUS

SERIAL NUMBER: 09947154 *766726-610036* FILING DATE: 09/05/2001
PATENT NUMBER: 6542382 *P/62082 USA* ISSUE DATE: 04/01/2003
TITLE: DENSELY ARRANGED ELECTRICALLY SHIELDED COMMUNICATION PANELS

SERIAL NUMBER: 09410975 *766726-610035* FILING DATE: 10/04/1999
PATENT NUMBER: 6310784 *P/62082 USA* ISSUE DATE: 10/30/2001
TITLE: DENSELY ARRANGED ELECTRICALLY SHIELDED COMMUNICATION PANELS

SERIAL NUMBER: 09516535 *560043-620666* FILING DATE: 03/01/2000
PATENT NUMBER: 6316722 *P/62082 USA* ISSUE DATE: 11/13/2001
TITLE: VENTED PEDESTAL FOR ELECTRONICS HOUSING

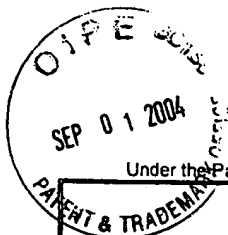
SERIAL NUMBER: 09520082 *766726-610045* FILING DATE: 03/08/2000
PATENT NUMBER: 6466728 *P/62082 USA* ISSUE DATE: 10/15/2002
TITLE: ATTENUATOR FOR FIBER OPTIC CABLES

SERIAL NUMBER: 09587879 *560043-620671* FILING DATE: 06/06/2000
PATENT NUMBER: 6548753 *P/62082 USA* ISSUE DATE: 04/15/2003
TITLE: FLAME SUPPRESSION CABINET

SERIAL NUMBER: 09703114 *766726-610055* FILING DATE: 10/31/2000
PATENT NUMBER: 6442035 *P/62082 USA* ISSUE DATE: 08/27/2002
TITLE: CARD CAGE WITH INTEGRAL CARD GUIDES

SERIAL NUMBER: 09703115 *766726-610057* FILING DATE: 10/31/2000
PATENT NUMBER: 6625849 *P/62082 USA* ISSUE DATE: 09/30/2003
TITLE: CABLE STRAIN RELIEF

SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Michael H. Jette; Jeffrey H. Nielson; Long Van VoApplication No./Patent No.: 10/750699 (Priority Filed/Issue Date: January 2, 2004Claimed U.S. Ser. No. 60/437789 filed 1/3/2003)Entitled: Fiber to the Home Broadband Home UnitMarconi Communications, Inc.a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 013810, Frame 0039, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

January 16, 2003

Date

(216) 586-7199

Telephone number

F. Drexel Feeling, Reg. No. 40,602

Typed or printed name (

F. Drexel Feeling

Signature

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

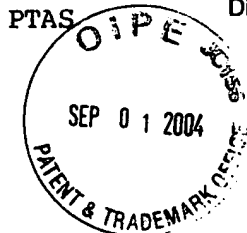
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES
PATENT AND
TRADEMARK OFFICE

JULY 18, 2003

DAVID B. COCHRAN, ESQ.
SUZANNE KOSTON
JONES DAY NORTH POINT
901 LAKESIDE AVE.
CLEVELAND, OH 44114



Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



102383428A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/04/2003

REEL/FRAME: 013810/0039
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
JETTE, MICHAEL H.

DOC DATE: 02/02/2003

ASSIGNOR:
NIELSON, JEFFREY H.

DOC DATE: 02/02/2003

ASSIGNOR:
VO, LONG VAN

DOC DATE: 02/02/2003

ASSIGNEE:
MARCONI COMMUNICATIONS, INC.
5900 LANDERBROOK DRIVE
CLEVELAND, OHIO 44124

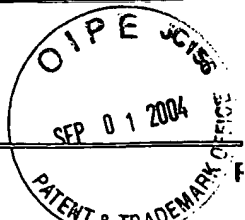
SERIAL NUMBER: 60437789
PATENT NUMBER:

FILING DATE: 01/03/2003
ISSUE DATE:

DOCKETED

013810/0039 PAGE 2

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



03-07-2003

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

102383428

Tab settings ⇌ ⇌ ⇌ ▽ ▽ ▽ ▽

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael H. JETTE

Jeffrey H. NIELSON

Long Van VO

3-403

2. Name and address of receiving party(ies)

Name: Marconi Communications, Inc.

Internal Address: 5900 Landerbrook Drive

Street Address: Same

City: Cleveland State: OH Zip: 44124

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 2/2/2003

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 60/437,789

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David B. Cochran, Esq.

Internal Address: Jones Day

North Point

901 Lakeside Avenue

Street Address: Same

City: Cleveland State: OH Zip: 44114

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

501432 (Ref. 560043610219)

RECEIVED
MAR 5 2003
COMM. SEC. 10000

DO NOT USE THIS SPACE

9. Signature.

Suzanne Koston

Name of Person Signing

Signature2/27/2003
Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 202311/05/2003 ECOMPER 00000199 501432 60437789
1 FC:0021 40.00 CH

ASSIGNMENT
(Joint)

WHEREAS, we, the undersigned, have made new and useful inventions and improvements in

**FULL SERVICE ACCESS NETWORK (FSAN)
FIBER TO THE HOME SYSTEM ARCHITECTURE**

and are the subject of a provisional patent application filed with the U.S. Patent and Trademark Office filed on January 3, 2003, and assigned Serial No. 60/437,789 and executed by the undersigned on the dates indicated below in the appropriate spaces to the left of the signature of the undersigned, which application is further identified as Jones, Day, Reavis & Pogue Docket No. 560043610219(003).

WHEREAS, **Marconi Communications, Inc.**, a corporation of the State of Delaware, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in and to said inventions and improvements including the patent rights therefor.

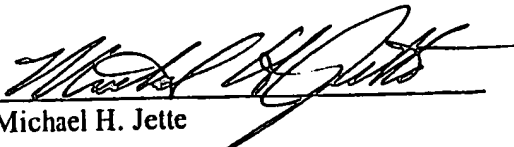
NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Jones, Day, Reavis & Pogue the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

First Inventor:

Date: 2-18-03

Residing and Having a
Post Office Address at:



Michael H. Jette

4901 Dartmont Drive
Grapevine, Texas 76051

Second Inventor:

Date: _____

Residing and Having a
Post Office Address at:

Jeffrey H. Nielson

3329 Shadow Ridge
Grapevine, Texas 76051

Third Inventor:

Date: _____

Residing and Having a
Post Office Address at:

Long Van Vo

7605 Brodick Way
Plano, Texas 75025

First Inventor:

Date: _____

Residing and Having a
Post Office Address at:

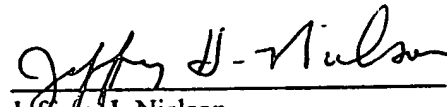
Michael H. Jette

4901 Dartmont Drive
Grapevine, Texas 76051

Second Inventor:

Date: 2-2-03

Residing and Having a
Post Office Address at:


Jeffrey H. Nielson

3329 Shadow Ridge
Grapevine, Texas 76051

Third Inventor:

Date: _____

Residing and Having a
Post Office Address at:

Long Van Vo

7605 Brodick Way
Plano, Texas 75025

First Inventor:

Date: _____

Residing and Having a
Post Office Address at:

Michael H. Jette

4901 Dartmont Drive
Grapevine, Texas 76051

Second Inventor:

Date: _____

Residing and Having a
Post Office Address at:

Jeffrey H. Nielson

3329 Shadow Ridge
Grapevine, Texas 76051

Third Inventor:

Date: Feb. 3, 2003

Residing and Having a
Post Office Address at:


Long Van Vo

7605 Brodick Way
Plano, Texas 75025